



Weekly Construction Report

Hatchery Creek Design/Build Project



Time Period (two weeks):	June 21 – July 3, 2015	Project No:	1305
Rain Days/Weather Conditions:	It has been a wet summer and the trend continues. It rained ~0.6" on June 26-27. It rained ~3.3" from Monday, June 29- Wednesday, July 1. We left the site mid-day on July 1, because of the rain and there was too much groundwater coming in Site #3 to work.		
Personnel on-site:	<i>EcoGro/Ridgewater:</i> John Arthur, Tony Berry, Eric Dawalt, & Jim Hanssen. <i>Stantec:</i> Oakes Routt		
Equipment on-site:	Komatsu PC 360 w/ hyd. Thumb , Komatsu PC 450		
Material deliveries to project site:	<ul style="list-style-type: none"> 541.9 tons of rock (24"+ dia.) for step pools delivered from Albany quarry (June 25th). 3,000 square yards of 8 oz/SY non-woven geotextile fabric. 		
Work performed the past two weeks:	<ul style="list-style-type: none"> Assisted Aspen with digging their trackhoe out of Site #3 where it had sunk upstream of the check dam (June 23rd). Stantec performed stakeout of step pool section and spot-checked grades at Site#1, #2, and #3 excavation areas. Hauled ~1,100 tons of shot rock from Corps' Disposal area and stockpiled at Site #3 for step pool construction starting June 25th. Added more rock to haul roads between Power line Road and Site #3 because they were rutting too deeply to haul with tri-axle dump trucks after the first day of hauling. <ul style="list-style-type: none"> Hauled 345 tons of shot rock from Corps Disposal area and installed in haul roads using two excavators for 10 total hours, and two tri-axle dump trucks for 10 total hours. Installed non-woven geotextile, a base layer of shot rock from the disposal area (12"-18" deep), and 24"+ dia. rock (2'-3' deep) to step pools from ~Sta. 154+25 to 156+25. 		
Erosion & sediment controls installed/maintained:	❖ Corps' turbidity current and rock check in place at Site #3.		
Work scheduled for next week:	<ul style="list-style-type: none"> Deliver 24"+ dia. rock from quarry to Site #3. Haul shot rock from Disposal area to Site #3. Repair haul roads as needed to maintain access. Excavate eroded, sloppy mud from upstream of check dam. Install geotextile and rock from Sta. 156+25 to 158+50. 		
Work planned for two weeks ahead:	<ul style="list-style-type: none"> Excavate eroded, sloppy mud from downstream of check dam. Install geotextile and rock from Sta. 158+50 to 160+85. Repair haul roads as needed to maintain access. 		
General Comments:	<ul style="list-style-type: none"> The haul roads from Power line Road to Site #3 are soft and require upkeep by adding rock. The haul road to Site #2 will likely need more rock added as well. The haul roads need to dry out significantly in order to haul in large boulders from quarry because the roads are soft. Soil continues to slough in the excavation of Site #3 and will have to be excavated before installing geotextile and rock in channel. The Design/Build Team is evaluating designs to stabilize Tributary Z where it enters the Cumberland River at the downstream end of the step pool reach at ~Sta. 159+50. The Corps Nashville District is coordinating low flow generation releases with the Design/Build Team while working near the river. 		
Prepared by: Jim Hanssen	Date: 07-3-2015		



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Excavated channel on Site #3 before installation of rock. Picture taken from ~Sta. 154+00 looking downstream.



Rock being installed in step pool reach. More rock will be installed on sides as 4' diameter boulders are installed starting at Cumberland River and working upstream. Picture taken from ~Sta. 154+00 looking downstream.



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Picture showing geotextile, base rock material (12"-18" deep), and 24"+ dia. rock (two-three feet deep). Picture taken from ~Lt. Sta. 155+00 on left descending bank, looking upstream.